LITERATURE SURVEY

Project Topic - Visualizing and Predicting Heart Diseases with an Interactive Dashboard

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LITERATURE SURVEY :

Healthcare industries produce a huge volume of data, so called big data that paved the way for the knowledge which is used for making new decisions. Decisions are made more accurately with the help of big data generated by the industries. EDA (Exploratory Data Analysis) is a technique for detecting errors, finding appropriate data, evaluating assumptions and determining patterns among the explanatory variables. In the context of analysis, it excludes inferences and statistical models.

For any profession, Analytics is considered as the essential part because it forecasts among the future and uncovers hidden patterns. Data analytics is considered as a cost effective technology in the recent past, with a wide range of applications in healthcare such as research findings, emergency situations, and disease outbreaks. EDA is a vital step in data analysis while using analytics for healthcare because it facilitates preventive care.

Heart Disease Prediction using Exploratory Data Analysis

R. Indrakumari, T.Poongodi, Soumya Ranjan Jena

In this paper, they used the K-means algorithm to analyze and predict heart disease risk factors using publicly available heart disease data. There are 209 records in the dataset with eight attributes, including age, chest pain type, blood pressure, blood glucose level, ECG in rest, heart rate, and four types of chest pain. K-means clustering algorithm is used to forecast heart diseases with the help of data analytics and visualization tools.

Pre-processing methods and evolution metrics are the things which are discussed in this paper. As a result , they conveyed that the prediction is accurate.

Prediction of heart disease at early stage using data mining and big data analytics: A survey

N. K. Salma Banu, Suma Swamy

Many studies have been carried out to develop prediction models using a single technique or combining two or more techniques. This paper gives a better and clear understanding about the prediction models available using data mining from 2014 to 2016. This shows the different researchers' accuracy level of each model.

REFERENCES :

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